

ABSTRACT

A reciprocating compressor includes a compressing unit placed over a motor unit. A crankshaft, which converts rotating action of the motor unit into reciprocating action of a piston of the compressing unit, has (a) a centrifugal
5 pump provided at a lower section of the crankshaft, and (b) a pair of spiral pumps that communicate with the centrifugal pump and have leading grooves running in opposite directions to each other. The crankshaft also includes a pair of eccentric paths at its upper section. The eccentric paths open into an enclosed container and communicate with the spiral pumps respectively. This
10 structure allows production of greater force for transferring lubricant oil regardless of the rotating direction of the crankshaft.